

SGCN and Stressors Associated with Habitats

Macrogroup: Lakes and Ponds

Habitat Systems within Macrogroup:

MacrogroupName Lakes and Ponds

Dystrophic

Eutrophic

Lakes and Ponds Macrogroup - Unknown habitat system (i.e. Macrogroup)

Mesotrophic or Intermediate

Oligotrophic

Vernal Pool

SGCN Associated With This Habitat

Total SGCN: 1: 9 2: 21 3: 43

Class	<i>Actinopterygii</i> (Ray-finned Fishes)	SGCN Category
Species	<i>Alosa pseudoharengus</i> (Alewife)	2
Species	<i>Anguilla rostrata</i> (American Eel)	2
Species	<i>Salvelinus alpinus oquassa</i> (Arctic Charr)	1
Species	<i>Salmo salar</i> (Atlantic Salmon)	1
Species	<i>Notropis heterolepis</i> (Blacknose Shiner)	3
Species	<i>Notropis bifrenatus</i> (Bridle Shiner)	2
Species	<i>Culaea inconstans</i> (Brook Stickleback)	3
Species	<i>Salvelinus fontinalis</i> (Brook Trout)	3
Species	<i>Lota lota</i> (Burbot)	3
Species	<i>Erimyzon oblongus</i> (Creek Chubsucker)	3
Species	<i>Salvelinus namaycush</i> (Lake Trout)	3
Species	<i>Coregonus clupeaformis</i> (Lake Whitefish)	2
Species	<i>Rhinichthys cataractae</i> (Longnose Dace)	3
Species	<i>Catostomus catostomus</i> (Longnose Sucker)	3
Species	<i>Margariscus margarita</i> (Pearl Dace)	3
Species	<i>Esox americanus americanus</i> (Redfin Pickerel)	2
Species	<i>Prosopium cylindraceum</i> (Round Whitefish)	2
Species	<i>Etheostoma fusiforme</i> (Swamp Darter)	2

Class	<i>Amphibia</i> (Amphibians)	SGCN Category
Species	<i>Ambystoma laterale</i> (Blue-spotted Salamander)	2
Species	<i>Lithobates septentrionalis</i> (Mink Frog)	3
Species	<i>Lithobates pipiens</i> (Northern Leopard Frog)	2

Class	<i>Aves</i> (Birds)	SGCN Category
Species	<i>Riparia riparia</i> (Bank Swallow)	1
Species	<i>Hirundo rustica</i> (Barn Swallow)	2
Species	<i>Megascops alcyon</i> (Belted Kingfisher)	3
Species	<i>Chlidonias niger</i> (Black Tern)	2
Species	<i>Chroicocephalus philadelphia</i> (Bonaparte's Gull)	3
Species	<i>Buteo platypterus</i> (Broad-winged Hawk)	3
Species	<i>Chaetura pelagica</i> (Chimney Swift)	2
Species	<i>Petrochelidon pyrrhonota</i> (Cliff Swallow)	3
Species	<i>Gavia immer</i> (Common Loon)	3
Species	<i>Aythya marila</i> (Greater Scaup)	2

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Species	<i>Clangula hyemalis</i> (Long-tailed Duck)	3
Species	<i>Stelgidopteryx serripennis</i> (Northern Rough-winged Swallow)	3
Species	<i>Progne subis</i> (Purple Martin)	2
Species	<i>Tringa solitaria</i> (Solitary Sandpiper)	2
Species	<i>Tachycineta bicolor</i> (Tree Swallow)	2
Class	<i>Bivalvia</i> (Marine And Freshwater Molluscs)	SGCN Category
Species	<i>Anodonta implicata</i> (Alewife Floater)	3
Species	<i>Leptodea ochracea</i> (Tidewater Mucket)	1
Species	<i>Alasmidonta undulata</i> (Triangle Floater)	3
Species	<i>Lampsilis cariosa</i> (Yellow Lampmussel)	1
Class	<i>Cephalaspidomorphi</i> (Lampreys)	SGCN Category
Species	<i>Lethenteron appendix</i> (American Brook Lamprey)	3
Class	<i>Gastropoda</i> (Aquatic And Terrestrial Snails)	SGCN Category
Species	<i>Stagnicola mighelsi</i> (Bigmouth Pondsnail)	1
Species	<i>Stagnicola oronoensis</i> (Obese Pondsnail)	3
Class	<i>Insecta</i> (Insects)	SGCN Category
Species	<i>Hydroptila blacklei</i> (A Caddisfly)	3
Species	<i>Hydroptila parachelops</i> (A Caddisfly)	3
Species	<i>Ochrotrichia denningi</i> (A Caddisfly)	3
Species	<i>Hexagenia rigida</i> (A Mayfly)	3
Species	<i>Siphonurus barbaroides</i> (A Mayfly)	3
Species	<i>Siphonurus demaryi</i> (A Mayfly)	2
Species	<i>Enallagma durum</i> (Big Bluet)	3
Species	<i>Tamea lacerata</i> (Black Saddlebags)	3
Species	<i>Leucorrhinia patricia</i> (Canada Whiteface)	2
Species	<i>Tamea carolina</i> (Carolina Saddlebags)	3
Species	<i>Ischnura hastata</i> (Citrine Forktail)	3
Species	<i>Anax longipes</i> (Comet Darner)	3
Species	<i>Progomphus obscurus</i> (Common Sanddragon)	3
Species	<i>Argia translata</i> (Dusky Dancer)	3
Species	<i>Nannothemis bella</i> (Elfin Skimmer)	3
Species	<i>Arigomphus furcifer</i> (Lilypad Clubtail)	3
Species	<i>Celithemis martha</i> (Martha's Pennant)	3
Species	<i>Libellula needhami</i> (Needhams Skimmer)	3
Species	<i>Enallagma laterale</i> (New England Bluet)	2
Species	<i>Libellula semifasciata</i> (Painted Skimmer)	3
Species	<i>Ischnura ramburii</i> (Rambur's Forktail)	3
Species	<i>Williamsonia lintneri</i> (Ringed Boghaunter)	1
Species	<i>Somatochlora albicincta</i> (Ringed Emerald)	3
Species	<i>Enallagma pictum</i> (Scarlet Bluet)	2
Species	<i>Rhionaeschna mutata</i> (Spatterdock Darner)	3
Species	<i>Enallagma carunculatum</i> (Tule Bluet)	3
Class	<i>Malacostraca</i> (Crustaceans)	SGCN Category
Species	<i>Orconectes limosus</i> (Spinycheek Crayfish)	3

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Class	<i>Reptilia</i> (Reptiles)	SGCN Category
Species	<i>Emydoidea blandingii</i> (Blanding's Turtle)	1
Species	<i>Thamnophis sauritus</i> (Eastern Ribbon Snake)	2
Species	<i>Clemmys guttata</i> (Spotted Turtle)	1
Endangered (E) and Threatened (T) Plant Species Associated With This Habitat		
Class	Dicots <i>Dicotyledoneae</i>	State Status
Species	Comb-leaved Mermaid-weed <i>Proserpinaca pectinata</i>	E
Species	Featherfoil <i>Hottonia inflata</i>	T
Species	Pygmy Water-lily <i>Nymphaea leibergii</i>	T
Species	Small Yellow Water Crowfoot <i>Ranunculus gmelinii</i> var. <i>purshii</i>	T
Class	Quillworts And Spike-mosses <i>Isoetopsida</i>	State Status
Species	Prototype Quillwort <i>Isoetes prototypus</i>	T
Class	Monocots <i>Monocotyledoneae</i>	State Status
Species	Auricled Twayblade <i>Listera auriculata</i>	T
Species	Fries' Pondweed <i>Potamogeton friesii</i>	E
Species	Spotted Pondweed <i>Potamogeton pulcher</i>	T
Species	Straight-leaved Pondweed <i>Potamogeton strictifolius</i>	T

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Stressors Associated With This Macrogroup

IUCN Level 2 Threat Name: Dams and Water Management-Use

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Notes: Most impacts from dams are historical but many opportunities exist for restoration or removal

IUCN Level 2 Threat Name: Domestic and Urban Waste Water

IUCN Level 2 Threat Name: Droughts

IUCN Level 2 Threat Name: Housing and Urban Areas

Notes: Poorly buffered development has significant impacts on vernal pool wildlife

IUCN Level 2 Threat Name: Invasive Non-native-Alien Species-Diseases

Notes: Non-native fish introductions

IUCN Level 2 Threat Name: Invasive Non-native-Alien Species-Diseases

Notes: Non-native plants, primarily in southern Maine

IUCN Level 2 Threat Name: Logging and Wood Harvesting

Notes: Where BMPs are lacking for high value pool, loss of pool shade and mostly closed canopy upland habitat can have negative impacts

IUCN Level 2 Threat Name: Roads and Railroads

Notes: Roads have direct (habitat loss, road kill) and indirect (run off, barriers to migration) impacts to vernal pool habitat

IUCN Level 2 Threat Name: Storms and Flooding

Notes: Hurricane Irene is an example

IUCN Level 2 Threat Name: Temperature Extremes

Notes: Can be moderated by maintaining shade on streams

Habitat Conservation Actions:

Relevant conservation actions for this habitat are assigned within broader habitat groupings in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

Species Conservation Actions:

Conservation actions that may benefit species associated with this habitat can be found in Maine's 2015 Wildlife Action Plan: Element 1, Table 1-3. Click on the species of interest to launch a species based report summarizing relevant conservation actions and associated habitats.

The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.